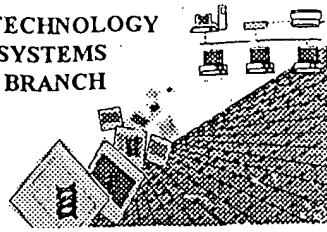# RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *10/734,049*
Source: *1FWO-*
Date Processed by STIC: *12/30/03*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
<u>http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm</u>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
<u>Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:</u>

1. EFS-Bio (<u><http://www.uspto.gov/ebc/efs/downloads/documents.htm></u>, **EFS Submission User Manual** - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
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Revised 10/08/03

IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/10/734,049**

DATE: 12/30/2003
TIME: 15:18:17

Input Set : **A:\Q78382 Seq.txt**
Output Set: **N:\CRF4\12302003\J734049.raw**

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   3  <110>  APPLICANT: ITOH, Kyogo
   5  <120>  TITLE OF INVENTION: Tumor antigen
   7  <130>  FILE REFERENCE: GP02-1004/US
C-->   9  <140>  CURRENT APPLICATION NUMBER: US/10/734,049
C-->  10  <141>  CURRENT FILING DATE: 2003-12-12
  12  <150>  PRIOR APPLICATION NUMBER: JP P2001-177058
  13  <151>  PRIOR FILING DATE: 2001-06-12
  15  <150>  PRIOR APPLICATION NUMBER: JP P2001-250728
  16  <151>  PRIOR FILING DATE: 2001-08-21
  18  <160>  NUMBER OF SEQ ID NOS: 408
  20  <170>  SOFTWARE: PatentIn Ver. 2.1
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pp 2-3

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

P.2

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8841  <210>  SEQ ID NO: 343
8842  <211>  LENGTH: 2731
8843  <212>  TYPE: DNA
8844  <213>  ORGANISM: Homo sapiens
8846  <400>  SEQUENCE: 343
8847  gacacaagac caagtttgaa acagatgcaa ataaactaaa atacagctct aatgtctttt  60
8848  tctgctattc tgtctccctt ttcctctttg tctgtaaatg taaggaattt gagacaaaga  120
8849  ggaaaaggga gacagaatag cagaatcttg actttgatag tcaagatctt gttcaagact  180
8850  tggcacttga tctttttgta aacctagtat tatgttatgg tcaagtggga agcatgaatt  240
8851  taaatgtagt atttaaaaga ttacttggtc ttggctttcc aatctgtggg agtgtttgga  300
8852  tcattttata cacacacaca cacacacaca cacacacaca cacctttttt ttttttttgat  360
8853  atgaggtctt accctgtcac ccagactaga gtgcagtggc gcaatcttag ctcactgcaa  420
8854  cctctgccta cctggctcaa gggatcctcc cacctcagcc tccagagtag ctgggactac  480
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8857  aaagtgctgg gattacaggt gtgagctact gcacctggta cattattata atttaataat  660
8858  agtgacagga aaaggtaaaa attgcaagca acaataataa ccaataatgc agaaatacat  720
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8860  gtttttatact tactggtata ctataaatga aatttagtga cagcatactg tataccaaac  840
8861  tagagtttac ccattgttat ttcttattta gattttttaga tacattgtct tttgattcta  900
8862  acattggcat tatcttaatt taatctctgt atattttct tcttttttgga aatatgcgtt  960
8863  tgtaaaagct taccttataa gctactatgg tgaccttggc ctatcagatg ggtgttctct  1020
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8868  ttgggtgacc caatatgtct ctgcagttgg gtgactacag aaataattca tgcagattac  1320
8869  ctcgctattt gtatcatatt atatacaaat gacatactct agtgcatttg aaatgtaatt  1380
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RAW SEQUENCE LISTING   DATE: 12/30/2003
PATENT APPLICATION: US/10/734,049   TIME: 15:18:17

Input Set : A:\Q78382 Seq.txt
Output Set: N:\CRF4\12302003\J734049.raw

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8870 taatggaatc ttgtagttta caaaattaag attgtcttta aagtaaatca ttattccttt 1440
8871 aatttactcc tctcatgacc cctgtaactg tttttcactt cagttcaaca tacatttatg 1500
8872 ccttgcctcc tgtataccag ccagtaggtg ctggggttgc aaaataacta agatcaaccc 1560
8873 atacatgctg gaagctctca atctagtagg agaggataga cacgaaagct cataatttgg 1620
8874 ttggtttggt tttgagacag ggcagtctct gtcgccagct ggaggcagcg gcatgatctc 1680
8875 agctcactgc agctttgacc tcccaggctg aagtgaccct ttcacctcag tacccaaaag 1740
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8880 cctcagcctc ccgagtagct gggattacag gcatgcagca ccacacccag ctaatttttt 2040
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8885 gaccttaagg catgaaatgt cattctgtat tcagttagac gtttagtctt gatagaagga 2340
8886 ttttttcctt agaacagatt acacctatat gataagattt tattttgttt ttatttaata 2400
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8888 ttgacagcat ataaaaagca ctcaatcgag ctaggtgcag tggctcatgg ctgtaattcc 2520
```
E--> **8889 agcactttgg gaggccccag caaaaggatc acttgattca aggaatttga gaccagtntg 2580**
```
8890 ggcaacatgg caagactcta tctgtatgaa aaaaaaaatt ttttaattag ctgggaatag 2640
8891 tgatgtgtgc ccttgcagtg agctgtgatt tgctctactg cactccacct tgagtagcag 2700
8892 agtgaaactg tctttgaaaa aaaaaaaaa a                                  2731
```

see p. 3
for error
explanation

VARIABLE LOCATION SUMMARY   DATE: 12/30/2003
PATENT APPLICATION: **US/10/734,049**   TIME: 15:18:19

Input Set : **A:\Q78382 Seq.txt**
Output Set: **N:\CRF4\12302003\J734049.raw**

error Explanation

Use of n's or Xaa's(NEW RULES):
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:284; Xaa Pos. 80
Seq#:343; N Pos. 2578
Seq#:352; N Pos. 1332

VERIFICATION SUMMARY   DATE: 12/30/2003
PATENT APPLICATION: **US/10/734,049**   TIME: 15:18:19

Input Set : **A:\Q78382 Seq.txt**
Output Set: **N:\CRF4\12302003\J734049.raw**

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:6781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:64
L:8889 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:343
L:9168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352 after pos.:1320